

Report: APCA0511

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
DAPC - ANNUAL EMISSIONS REPORT - 2017

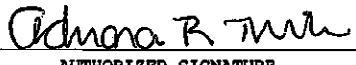
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Date: 12-28-2017

097190AFG - Medline Industries Inc Northpoint Services Div

- SOURCE DATA -

SOURCE IDS AND LOCATION	AIRS: 17-097-0034	IEPA USE ONLY	SIC 1: 7389	NAICS 1: 561910
	FINDS:	IEPA USE ONLY	SIC 2:	NAICS 2:
	FEIN: 362596612		SIC 3:	NAICS 3:
	D&B:		SIC 4:	NAICS 4:
	LATITUDE: 42:20:14.0640		SIC 5:	NAICS 5:
	LONGITUDE: 87:53:21.9192		SIC 6:	NAICS 6:
SOURCE ADDRESS	Medline Industries Inc Northpoint Services Div		CONTACT: <del>Jeff Clow</del> Adriana Thurston	
	1160 S Northpoint Blvd Waukegan, IL 60085-6757		PHONE: <del>224-572-6437</del> 847-775- EXT: FAX: 847-785-1069 6093 ALT PHONE: E-MAIL: <del>jclow@medline.com</del> athurston@medline.com	
ANNUAL EMISSION REPORT MAILING ADDRESS	Medline Industries Inc Northpoint Services Division		CONTACT: <del>Jeff Clow</del> Adriana Thurston	
	1160 Northpoint Blvd Waukegan, IL 60085-6757		PHONE: <del>224-572-6437</del> 847-775- EXT: FAX: 847-785-1069 6093 ALT PHONE: E-MAIL: <del>jclow@medline.com</del> athurston@medline.com	

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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete.	
 AUTHORIZED SIGNATURE	4/24/18 DATE
Adriana Thurston, Director of Operations TYPED OR PRINTED NAME AND TITLE	847-775-6093 TELEPHONE NUMBER
RECEIVED APR 25 2018 Illinois Environmental Protection Agency BUREAU OF AIR STATE OF ILLINOIS	

The Illinois EPA is authorized to require, and you must disclose, the information on this form pursuant to 35 Ill. Adm. Code 201.302(a, b) and 254. It is not necessary to use this form in providing the information. Failure to disclose the information may result in penalties as provided for in the Environmental Protection Act, 415 ILCS 5/24-45.

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- ANNUAL SOURCE EMISSIONS -

POLLUTANT CODE	SOURCES REPORTED EMISSIONS FOR 2017 (TONS/YEAR)	EMISSIONS REPORTED FOR 2016 (TONS/YEAR)	IEPA 2017 ESTIMATED EMISSIONS (TONS/YEAR)
CO	<u>2,275,896</u>	2.442863	
ETO	<u>1,431,612</u>	1.496817	1.528800
NH3	<u>0.086701</u>	0.093061	
NOX	<u>2,709,400</u>	2.908170	
PART	<u>0.205914</u>	0.221021	
PM10	<u>0.205914</u>	0.221021	
SO2	<u>0.016256</u>	0.017449	
VOM	<u>1,580,629</u>	1.656766	1.703520

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- PERMIT LISTING -

PERMIT NUMBER	TYPE OF PERMIT	OPERATION NAME	STATUS	STATUS DATE	EXPIRES
96110006	CONSTRUCTION	Aeration room catalytic oxidizer	GRANTED	05-12-1997	
00060097	CONSTRUCTION	Hi boiler	NOT REQUIRED	07-13-2000	
00040025	CONSTRUCTION	Aeration scrubbers	GRANTED	06-27-2000	
04120009	FESOP	Ethylene oxide sterilization	GRANTED	12-31-2013	12-31-2023
07100007	CONSTRUCTION	Catalytic Oxidizer for Aeration Room #1 and #2	GRANTED	10-03-2007	

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- Equipment Listing -

Emission Points

0002 10 Ethylene oxide sterilizers and 2 aeration rooms

Control Devices

0001 Scrubbers

Stacks

0001 10 Ethylene oxide sterilizers and 2 aeration rooms

## 2017 Annual Emissions Calculations

### Boiler Calculations

Total Natural Gas Used	541880	Therms
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54188000 ft<sup>3</sup>  
54.188 Mft<sup>3</sup>

	Pounds	Tons
CO Emitted	4551.792	2.275896
NH3 Emitted	173.4016	0.086701
NOx Emitted	5418.8	2.709400
PART Emitted	411.8288	0.205914
PM10 Emitted	411.8288	0.205914
SO2 Emitted	32.5128	0.016256
VOM Emitted	298.034	0.149017

### EO Emissions

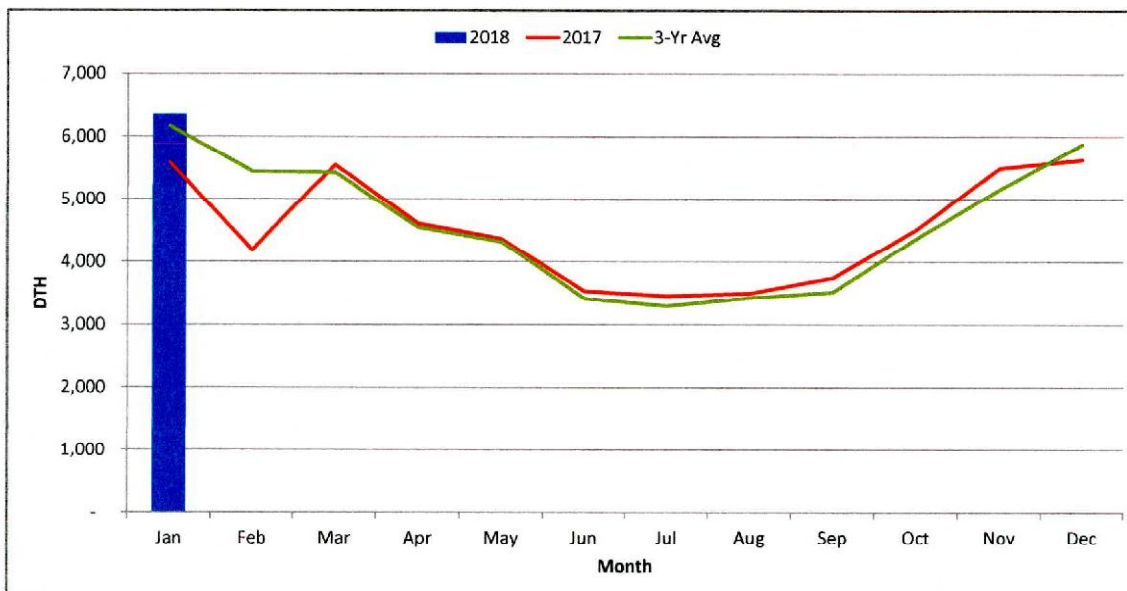
Number of Pounds used	Scrubber	Percent	Total	Total
395200	Used	Efficiency to location	Emissions	Tons
Primary	395200	99.29	95 2665.624	1.332812
Aeration	395200	99	5 197.6	0.0988
Totals			2863.224	1.431612

<b>Total VOM Emissions</b>	<b>3161.258</b>	<b>1.580629</b>
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Month	Primary Sterilization Process					Total	
	EO (lbs)		Scrubber Efficiency (%)	EO Emitted		EO Emitted by Month	
	Used	To Glygen Scrubbers		(lbs)	tons	(lbs)	tons
Jan-17	28,800	27,360	99.29	194	0.10	209	0.104
Feb-17	24,400	23,180	99.29	165	0.08	177	0.088
Mar-17	39,200	37,240	99.29	264	0.13	284	0.142
Apr-17	38,800	36,860	99.29	262	0.13	281	0.141
May-17	34,000	32,300	99.29	229	0.11	246	0.123
Jun-17	32,800	31,160	99.29	221	0.11	238	0.119
Jul-17	30,000	28,500	99.29	202	0.10	217	0.109
Aug-17	36,000	34,200	99.29	243	0.12	261	0.130
Sep-17	32,000	30,400	99.29	216	0.11	232	0.116
Oct-17	38,000	36,100	99.29	256	0.13	275	0.138
Nov-17	32,800	31,160	99.29	221	0.11	238	0.119
Dec-17	28,400	26,980	99.29	192	0.10	206	0.103
Annual	395,200	375,440	99.29	2,666	1.33	2,863	1.432
Month	Aeration Process						
	EO (lbs)		Scrubber Efficiency (%)	EO Emitted			
		To Aeration Treatment		(lbs)	tons		
Jan-17		1,440	99.0	14	0.007		
Feb-17		1,220	99.0	12	0.006		
Mar-17		1,960	99.0	20	0.010		
Apr-17		1,940	99.0	19	0.010		
May-17		1,700	99.0	17	0.009		
Jun-17		1,640	99.0	16	0.008		
Jul-17		1,500	99.0	15	0.008		
Aug-17		1,800	99.0	18	0.009		
Sep-17		1,600	99.0	16	0.008		
Oct-17		1,900	99.0	19	0.010		
Nov-17		1,640	99.0	16	0.008		
Dec-17		1,420	99.0	14	0.007		
Annual	0	19,760	99.0	198	0.099		

Total Usage Overview

Historical Usage Report (DTH)							
	2018	2017	2016	2015	2014	2013	3-Yr Avg
Jan	6,356	5,585	6,551	7,063	7,047	6,085	6,164
Feb		4,186	5,628	6,504	6,178	5,746	5,439
Mar		5,545	5,457	5,270	5,829	5,935	5,424
Apr		4,616	5,079	3,941	4,476	4,516	4,545
May		4,366	4,697	3,904	3,932	4,331	4,322
Jun		3,537	3,633	3,091	3,357	3,916	3,420
Jul		3,460	3,465	2,976	3,334	3,849	3,300
Aug		3,504	3,789	2,995	3,259	3,839	3,429
Sep		3,746	3,821	2,996	3,722	3,798	3,521
Oct		4,514	4,513	4,089	4,415	4,507	4,372
Nov		5,497	5,180	4,780	5,698	5,429	5,153
Dec		5,633	6,347	5,662	6,432	6,340	5,880
DTH	6,356	54,188	58,159	53,271	57,678	58,292	54,969



The data presented in this report is provided on a best-efforts basis. This data comes to us from the local utility, is not final and is therefore subject to change throughout the month. In addition, usages shown may not correspond with CNEG's invoices due to unit and locational conversions.

Constellation NewEnergy Gas  
9960 Corporate Campus Drive Suite 2000  
Louisville, KY 40223

Your Account Manager is  
Erin Damico  
erin.richards@constellation.com

tel: (262) 506-6612  
fax: (502) 426-8800  
[www.constellation.com](http://www.constellation.com)

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